

Reference	Name in ThermoBar	T-dependent?	P-dependent?	H ₂ O-dependent?	
Clinopyroxene-only Thermometry. Function “calculate_cpx_only_temp”					
Putirka (2008)	T_Put2008_eq32d		✓	✗	
	T_Put2008_eq32d_subsol		✓	✗	
Petrelli et al. (2021)	T_Petrelli2021_Cpx_only*		✗	✗	
	T_Petrelli2021_Cpx_only_withH2O*		✗	✓	
Wang et al. (2021)	T_Wang2021_eq2		✗	✓	
	T_Wang2021_eq4		✗	✓	
Jorgenson et al. (2021)	PlaceHolder				
Other Functions					
calculate_cpx_only_press_temp(): Iteratively solves P and T for cpx using an equation for P and an equation for T					

Orthopyroxene Thermobarometers

Reference	Name in ThermoBar	T-dependent?	P-dependent?	H ₂ O-dependent?
Orthopyroxene-Liquid Barometry. Function “calculate_opx_liq_press”				
Putirka (2008)	P_Put2008_eq29a	✓		✓
	P_Put2008_eq29b	✓		✓
Putirka Supplement New “Global” calibrations	P_Put_Global_Opx	✗		✗
	P_Put_Felsic_Opx	✗		✗
Orthopyroxene-Liquid Thermometry. Function “calculate_opx_liq_temp”				
Putirka (2008)	T_Put2008_eq28a		✓	✓
	T_Put2008_eq28b_opx_sat		✓	✓
Orthopyroxene-only Barometry. Function “calculate_opx_only_press”				
Putirka (2008)	P_Put2008_eq29c	✓		✗
Other Functions				
calculate_opx_liq_press_temp() : Iteratively solves P and T for opx-liq pairs using an equation for P and an equation for T.				
calculate_opx_liq_press_temp_matching() : Calculates P and T for all possible opx-liquid pairs (with user-selected options for equilibrium criteria).				
calculate_opx_rhodes_diagram_lines() : Calculates equilibrium lines for a range of melt Mg#s using a variety of user-selected options for equilibrium models				

Two pyroxene Thermobarometers

Reference	Name in ThermoBar	T-dependent?	P-dependent?	H ₂ O-dependent?
Orthopyroxene-Clinopyroxene Barometry. Function “calculate_cpx_opx_press”				
Putirka (2008)	P_Put2008_eq38	✗		✗
	P_Put2008_eq39	✓		✗
Orthopyroxene-Clinopyroxene Thermometry. Function “calculate_cpx_opx_press”				
Putirka (2008)	T_Put2008_eq36		✓	✗
	T_Put2008_eq37		✓	✗
Brey and Kohler (1990)	T_Brey1990		✓	✗
Wells (1977)	T_Wells1977		✗	✗
Wood and Banno (1973)	T_Wood1973		✗	✗
Other Functions				
calculate_cpx_opx_press_temp() : Iteratively solves P and T for opx-cpx pairs using an equation for P and an equation for T.				
calculate_cpx_opx_press_temp_matching() : Calculates P and T for all possible opx-cpx pairs (with user-selected options for equilibrium criteria).				